PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FOUR18884PCT	FOR FURTHER ACTION	Sec item 4 below				
International application No. PCT/US2005/010268	International filing date (day/month/year) 29 March 2005 (29.03.2005)	Priority date (day/month/year) 29 March 2004 (29.03.2004)				
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237						
Applicant FOURQUREAN, George, E						

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).						
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.						
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.						
3.	This report contains indications r	elating to the following items					
	Box No. I	Basis of the report					
	Box No. Π	Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV Lack of unity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI Certain documents cited						
	Box No. VII Certain defects in the international application						
	Box No. VIII	Certain observations on the	e international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).						
	Date of issuance of this report 04 October 2006 (04.10.2006)						
	The International Bureau of WIPO Authorized officer						
	34, chemin des Colombettes 1211 Geneva 20, Switzerland Dorothée Mülhausen						
	Facsimile No. +41 22 338 82 70 e-mail: pt01@wipo.int						

PATENT COOPERATION TREATY From the INTERNATIONAL SEARCHING AUTHORITY

REC'D 0 7 MAR 2006 PCT

To:
TODD E. ALBANESI
CRUTSINGER & BOOTH, LLC
1601 ELM STREET, STE. 1950
DALLAS, TX 75201-4744

CRUTSINGER & BOOTH, LLC 1601 ELM STREET, STE. 1950 DALLAS, TX 75201-4744			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)			
			Date of mailing	02 MAR 2006		
Applicant's or agent's file r	eference					
FOUR18884PCT	Intern	ational filing date	(day/month/year)	Priority date (day/month/year)		
International application No	ı					
PCT/US05/10268 International Patent Classif		arch 2005 (29.03.2 national classificat		29 March 2004 (29.03.2004)		
IPC(**): G05G 1/14 and US Applicant	Cl.: 74/594.3, 5/9E,	<u> </u>				
	7 17					
FOURQUREAN, GEORG	S.E.					
1. This opinion contains i	ndications relating to	the following item	ns:			
Box No. I	Basis of the opinion	n				
Box No. II	Priority			·		
Box No. III	Non-establishment	of opinion with re	gard to novelty, inver	ntive step and industrial applicability		
Box No. IV	Lack of unity of in					
Box No. V	Reasoned statemen applicability; citati	it under Rule 43 <i>bis</i> ons and explanation	:.1(a)(i) with regard to ons supporting such st	o novelty, inventive step or industrial atement		
Box No. VI	Certain documents	cited				
Box No. VII	Certain defects in t	he international ap	plication			
Box No. VIII	Certain observation	is on the internation	onal application			
2. FURTHER ACTIC	N					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Date of completion of this opinion O3 February 2006 (03.02.2006) David M. Fenstermacher Telephone No. 571-272-5350						

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.
PCT/US05/10268

Box No	o. I Basis of this opinion
,,,	
1. With	regard to the language, this opinion has been established on the basis of:
\boxtimes	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With inven	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	оп рарег
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addit	ional comments:

International application No. PCT/US05/10268

Box No. V Reasoned statement under Rule applicability; citations and expla	43 bis.1(a)(i) inations supp	with regard to novelty, in orting such statement	ventive step or industrial
1. Statement	-• •		YES
Novelty (N)	Claims		NO
	Claims	NONE	
Inventive step (IS)	Claims	1-36	YES
MACINIAC SICH (10)		NONE	NO
Industrial applicability (IA)	Claims	1-36	YES
	Claims	NONE	NO
2. Claims 1-36 meet the criteria set out in PCT Article motion drive piston having a planetary which compt plurality of bearings; and a follower connector, whe the planetary and the piston, as claimed in claims 1- A fluid pump as claimed in claim 27 havin securely retain the bushing in the piston bore of the A discharge valve assembly, as claimed in positioned to engage the rim of the poppet valve, and the O-ring are adapted to land on a corresponding rimade or used in industry.	rises a generally rein the follower. 26, and 36. Ing a pump body pump body pump body. In claim 30, havind an O-ring position of a discharge.	reconnector is adapted to be possible of the following a slot adapted to slice of the fluid pump.	dingly receive the bushing retainer to formed therein, wherein the washer is f the washer, whereby the washer and

Form PCT/ISA/237 (Box No. V) (April 2005)

PATENT COOPERATION TREATY

Y	REC'D	07	MAR	2006	
DC	WIPO		<u>. انداد جسی بر برس</u> گذاشته سیمهرسوس	PC	T
PC	1				

)	From the
	INTERNATIONAL SEARCHING AUTHORITY
	To:
	TODD E. ALBANESI
	CRUTSINGER & BOOTH, LLC
	1601 ELM STREET, STE. 1950
	DALLAS, TX 75201-4744

COUTSINGED & POOTH LLC						
CRUTSINGER & BOOTH, LLC 1601 ELM STREET, STE. 1950						
DALLAS, TX 75201-4744				WRITTEN OPINION OF THE		
			•	INTERNATIONAL SEARCHING AUTHORITY		
					(PCT Rule 43bis.1)	
				Date of mailing (day/month/year)	02 MAR 2000	
Applicant'	's or agent's file r	eference		FOR FURTHER	ACTION See paragraph 2 below	
FOUR188	84PCT				See paragraph 2 octow	
Internation	nal application No),	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US05			29 March 2005 (29.03.2		29 March 2004 (29.03.2004)	
Internation	nal Patent Classifi	cation (IPC) o	r both national classifica	tion and IPC		
 IPC(\$7): G(05G 1/14 and US	Cl.: 74/594.3,	579E, 594			
Applicant	· ····································					
FOUROU	REAN, GEORGI	3 E.				
1. This c	ppinion contains i	ndications rela	ting to the following iten	ns:		
\boxtimes	Box No. I	Basis of the	opinion			
	Box No. II	Priority				
	Box No. III	Non-establis	shment of opinion with re	egard to novelty, inve	novelty, inventive step and industrial applicability	
	Box No. IV	Lack of unit	y of invention			
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI	Certain docu	aments cited			
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	Box No. VIII	Certain obse	ervations on the internation	onal application		
2. FUR	THER ACTIO	N				
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For further options, see Form PCT/ISA/220.						
3. For fu	ırther details, see	notes to Form	PCT/ISA/220.			
Name and	Name and mailing address of the ISA/US Date of completion of this opinion Authorized officer					
	mailing address Mail Stop PCT, Attr		Date of comple	otton or time obtinou	Authorized officer David M. Fenstermacher	
(Commissioner for P		03 February 20	006 (03.02.2006)	David IVI. renstermacher	
	P.O. Box 1450 Alexandria, Virginia	a 22313-1450			Telephone No. 571-272-5350	
Alexandria, Virginia 22313-1450					1010phono 110. 311-212-3330	

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.	
PCT/US05/10268	

Box No	o. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of:
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4. Addi	tional comments:
1	

International application No. PCT/US05/10268

INTERNATIONAL SEARCHING				
Box No. V Reasoned statement under Rule applicability; citations and expla	43 <i>bis</i> .1(a)(i) nations supp	with regard orting such s	to novelty, inventive tatement	step or industrial
1. Statement				
Novelty (N)	Claims	1-36		YES
	Claims	NONE		NO
Your stand (IS)	Claims	1-36		YES
Inventive step (IS)		NONE		NO
				VEC
Industrial applicability (IA)		1-36 NONE		YES NO
	Ciaims	NONE		
2. Citations and explanations:			······································	
Claims 1-36 meet the criteria set out in PCT Article motion drive piston having a planetary which compr plurality of bearings; and a follower connector, when the planetary and the piston, as claimed in claims 1-2. A fluid pump as claimed in claim 27 having securely retain the bushing in the piston bore of the	rises a generally rein the followe 26, and 36. ng a pump body	er connector is a	ening adapted to be oper adapted to be part of an o	operable connection between
A discharge valve assembly, as claimed in	n claim 30, havi d an O-ring pos	sitioned adjacen	it the groove of the wash	erein, wherein the washer is ner, whereby the washer and
the O-ring are adapted to land on a corresponding ri	m of a discharg	ge port of the fit	յլն քսուբ.	
Claims 1-36 the criteria set out in PCT Article 33(4) made or used in industry.), and thus meet	t industrial appl	icability because the sub	oject matter claimed can be
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Form PCT/ISA/237 (Box No. V) (April 2005)